

Amendments to the Drawings

Two replacement sheets of drawings are attached hereto for replacing previous versions of respective sheets 1/5 and 2/5 of the drawings as filed. The amended drawings clearly designate Fig. 1a, 1b and 2 with the "Prior Art" legend.

Remarks

Claims 1 and 14 have been amended. Claims 2-13 remain unchanged. No new matter has been added by way of these amendments. Applicants seek to place the claims in more suitable condition for US prosecution.

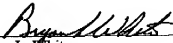
Claims 1 and 14 have been amended to recite the feature that the shielding means are located substantially flush with the outside face of the pad and extend along the length of the outside face of the pad, so that that the electrical field generated by the current and return electrodes is substantially eliminated in the pad and in the vicinity of the measurement electrodes. These features are not disclosed in Raynal (US 4,738,812) or the other prior art references.

Claim 1 has also been amended to delete the wording 'both' in line 7 of claim 1 to overcome the Examiner's clarity objection. The abstract and title have been amended to set out more clearly the invention and replacement drawings are enclosed designating Fig.1a, 1b and 2 as prior art as required by the Examiner.

The Applicants believe the claims are in condition for allowance, early passage to issuance is requested. A Petition for Revival Under 1.137(b) is enclosed herewith along with a Fee Transmittal. The Commissioner is authorized to charge any additional fees associated with the submission of this response to Deposit Account No. 50-2183 (Ref. No. 21.1041).

The Examiner is invited to contact the undersigned patent attorney at 281.285.6493 with any questions, comments or suggestions relating to the referenced patent application.

Respectfully submitted,


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